

Work Order ID 146312

146312

Page 1

May 17, 2016 11:30:04 AM

Item ID: D412-791-047

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Pitot Heat Monitoring

Start Date: 5/17/2016 Start Qty: 4.00

4

Cust Item ID:

Required Date: 6/14/2016 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: 54

Date: 20160517

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN-D412-791	D

100 Document Control

0.00

800

MAY 30 2016

MLS 160530

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D412-791-047
CHG 002

4X

DAS
27
9-89

9

JUN 06 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

4

DAS
28
9-89

MAY 30 2016

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.12

Quality Control

4X

DAS
27
9-89

JUN 06 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Work Order ID 146312

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Page 2

Item ID: D412-791-047 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Pitot Heat Monitoring
 Start Date: 5/17/2016 Start Qty: 4.00 ***4*** Cust Item ID:
 Required Date: 6/14/2016 Req'd Qty: 4.00 ***4*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-791-047								
	Location: <u>P6020</u>								
	PPP rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.40							
Quality Control									

4
 DAS
 28
 9-89
 DAS
 27
 9-89

JUN 06 2016

MCS JUN 06 2016

MCS JUN 06 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

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Page 1

Work Order ID: 146312

146312

Parent Item: D412-791-047

D412-791-047

Parent Item Name: Pitot Heat Monitoring

Start Date: 5/17/2016

Required Date: 6/14/2016

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP RevA: New issue DD verified by:EC
11.09.12 @ chg 002 DD verf:EC

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
18-200 *18-200* Quick Connector, Plug		Purchased	No			110	Each	9.0000	1	4			DAS 28 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				st575				9					
				m134471				9					
1N4007 *1N4007* DIODE		Purchased	No			110	Each	2.0000	6	24			DAS 28 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CA				2					
				m129682				2					
80-004-2-6 *80-004-2-6* Insert		Purchased	No			110	Each	1,056.000	3	12			DAS 28 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST584				1056					
				124720				1056					
D3896-1 *D3896-1* Relay		Manufactured	No			110	Each	0.0000	2	8			DAS 28 6 9-89
D3897-1 *D3897-1* Angle		Manufactured	No			110	Each	0.0000	1	4			DAS 28 6 9-89

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Picklist Print

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Work Order ID: 146312

146312

Parent Item: D412-791-047

D412-791-047

Parent Item Name: Pitot Heat Monitoring

Start Date: 5/17/2016

Required Date: 6/14/2016

Start Qty: 4.00

Required Qty: 4.00

MS21042L06

Purchased

No

110

Each

199.0000

2

8

MS21042I 06

Nut

**

DAS
6
28
9-89

Location

Loc Qty

Loc Code

ST303

199

m134294

49

m134474

50

m134537

100

DAS
27
9-89

MS21042L08

Purchased

No

110

Each

1,028.000

4

16

MS21042I 08

Nut

**

DAS
6
28
9-89

Location

Loc Qty

Loc Code

GA

319

m133134

3

m134063

316

ST303

537

m133922

37

m134574

200

m134654

300

ST308

172

m134376

172

DAS
27
9-89

MS24524-23

Purchased

No

110

Each

5.0000

1

4

MS24524-23

Switch

**

DAS
6
28
9-89
MAY 30 2016

Location

Loc Qty

Loc Code

CA

3

m129747

3

ST289

2

m126826

2

DAS
27
9-89

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Shop Packet Print

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Picklist Print

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Work Order ID: 146312

146312

Parent Item: D412-791-047

D412-791-047

Parent Item Name: Pitot Heat Monitoring

Start Date: 5/17/2016

Required Date: 6/14/2016

Start Qty: 4.00

Required Qty: 4.00

MS35207-260

Purchased

No

110

Each

58.0000

3

12

MS35207-260

Screw

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST271

58

112719

58

NAS1149D0363J

Purchased

No

110

Each

1,966.000

3

12

NAS1149D0363.J

Washer

**

Location

Loc Qty

Loc Code

GA

480

m134055

480

ST260a

1000

m134676

1000

ST263

486

m134606

486

NAS1149DN632J

Purchased

No

110

Each

722.0000

2

8

NAS1149DN632.J

Washer

**

Location

Loc Qty

Loc Code

ST264

722

m133860

22

m134370

700

NAS1149DN832J

Purchased

No

110

Each

1,217.000

8

32

NAS1149DN832.J

Washer

**

Location

Loc Qty

Loc Code

CA

84

M129499

84

ST265

1133

M134180

1133

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Shop Packet Print

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Picklist Print

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Work Order ID: 146312

146312

Parent Item: D412-791-047

D412-791-047

Parent Item Name: Pitot Heat Monitoring

Start Date: 5/17/2016

Required Date: 6/14/2016

Start Qty: 4.00

Required Qty: 4.00

HW210 Purchased No 110 Each 7.0000 1 4

HW210

Resistor, 1K Ohms

DAS

28

DAS

6

9-89

9-89

Location

Loc Qty

Loc Code

ST562

7

114971

7

DAS

27

9-89

MAY 30 2016

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Shop Packet Print

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7.0 PARTS LIST

QTY -011	QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	PART NUMBER	DESCRIPTION
X						D412-791-011	SAFETY ENHANCEMENT KITS COMPLETE
1	X					D412-791-041	FLASHLIGHT KIT
1		X				D412-791-043	MAPBOX KIT
1			X			D412-791-045	EXIT ILLUMINATION KIT
1				X		D412-791-047	PITOT HEAT MONITORING KIT
1					X	D412-791-049	STANDBY ATTITUDE BATTERY MONITORING KIT
	2					D3921-1	FLASHLIGHT
	4					D3922-1	CLIP
	2					D3923-1	ANGLE
	4					D3924-1	SHIM
	8					MS20426AD3-6	RIVETS
	6					MS20470AD4-5	RIVET
	4					MS21059-L3	ANCHOR NUT
	4					MS35207-264	SCREW
		1				D3936-041	MAPBOX
		4				MS35207-244	SCREW
			16			D3937-041	PHOTOLUMINESCENT STRIPS
			90			D3950-1	RIVET (INCLUDES 10 EXTRA)
				1		18-200	CONNECTOR
				6		1N4007	DIODE
				3		80-004-2-6	POTTED INSERTS
				2		D3896-1	RELAY
				1		D3897-1	ANGLE
				1		LED-50-17-BG-E0705	ANNUNCIATOR
				1		M12883/45-01	RELAY BASE
				1		M81714/16-3	TERMINAL BLOCKS TRACK
				2		M81714/2-DC1	TERMINAL BLOCKS
				1		M81714/2-DD2	TERMINAL BLOCKS

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Revision: D

Date: 13.02.01

REFERENCE ONLY

DART AEROSPACE LTD.

IIN-D412-791

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QTY -011	QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	PART NUMBER	DESCRIPTION
				1		M83536/2-024	RELAY
				2		MS21042L06	NUT
				4		MS21042L08	NUT
				1		MS24524-23	SWITCH, DPDT
				1		MS24524-31	SWITCH, DPDT
				2		MS24693S26	SCREW
				15		MS25036-102	TERMINAL LUGS, #6
				4		MS27039-0814	SCREW
				3		MS35207-260	SCREW
				3		NAS1149D0363J	WASHER
				2		NAS1149DN632J	WASHER
				8		NAS1149DN832J	WASHER
				1		HW210	RESISTOR, 1K OHMS
					1	18-200	CONNECTOR
					5	1N4007	DIODE
					3	80-004-2-6	POTTED INSERTS
					1	D3897-1	ANGLE
					1	D3938-1	DECAL
					1	LED-50-17-HK-E0700	ANNUNCIATOR (STBY BATT)
					1	M12883/45-01	RELAY BASE
					1	M81714/16-3	TERMINAL BLOCKS TRACK
					2	M81714/2-DC1	TERMINAL BLOCKS
					1	M81714/2-DD2	TERMINAL BLOCKS
					1	M83536/2-024	RELAY
					2	MS21042L06	NUT
					2	MS24693S26	SCREW
					3	MS35207-260	SCREW
					3	NAS1149D0363J	WASHER
					2	NAS1149DN632J	WASHER
					1	HW210	RESISTOR, 1K OHMS

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